

REMARKS

This responds to the Office Action mailed on June 30, 2005. Reconsideration is respectfully requested.

Claims none are amended, claims none are canceled, and claims none are added; as a result, claims 1 – 30 remain pending in this application.

§103 Rejection of the Claims

Claims 1-30 were rejected under 35 USC § 103(a) as being unpatentable over Inoue et al. (U.S. 6,874,017) in view of Dorenbosch et al. (U.S. 2002/0114317).

Applicants' claim 1, for example, recites a master server portion residing within a wireless communication device that operates within a wireless communication network and communicates through one or more base stations of the wireless communication network. Applicants' claim 1 also recites a virtual server portion that operates within a publicly-accessible internet network and is accessible to client devices through the publicly-accessible internet network. The virtual server portion stores the server data and receives updates to the server data from the master server portion through a support node. The support node provides an interface between the wireless communication network and the publicly-accessible internet network. As further recited in Applicants' claim 1, the virtual server portion provides the server data and services on behalf of the master server portion over the publicly-accessible internet network to client devices requesting the server data and server services from the mobile server by routing packets from requesting client devices to the virtual server portion instead of the master server portion.

Inoue is concerned with reducing network bandwidth when mobile devices and wireless terminals access WWW services. In Inoue, web pages from a wired-network server (WWW server) are cached in cache servers on an access route so that response time and bandwidth on the network is reduced (see column 1 line 49 through column 2 line 24) when accessed by a mobile device. Applicants' claims, on the other hand, are concerned with accessing information from a mobile wireless server without having to transfer the data over the wireless network.

Applicants find no teaching, suggestion or motivation in Inoue of a mobile server that is part of or resides in a wireless device. In Inoue, all servers are wired terminals and are not part of a wireless network (see Inoue FIGs. 1, 2, 4, 5, 9, 11, 14, 15, 17 and 22, in particularly element 2). In Inoue, cache servers 3 are provided in association with base stations 12 (column 7 lines 41 – 55) so that access to cache information can be improved (column 2, lines 33 – 38). **Inoue's cache servers 3 never cache data for mobile devices.**

Applicants find no teaching in Inoue that mobile terminal device 1 (of Inoue) acts as a server (Applicants' claim 1 recites a mobile server) and that cache server 3 (of Inoue) stores cache information for a mobile device (Applicants' claim 1 recites that the virtual server stores information for the mobile server). In Inoue, mobile terminal devices 1 simply access cache servers 3 through base stations 12.

Applicants further submit that Inoue's mobile terminal devices 1 do not act as servers because of the limited bandwidth of wireless networks and long response time (column 1, lines 51 - 59). Applicants' invention, as recited in claims 1, 10, 14 and 28, for example, help solve this problem evident in Inoue by providing a virtual server portion in the wired network for a mobile server, which allows wireless as well as wireline users to access the information without having to connect with the master server portion over a wireless network.

Applicants submit that these problems discussed in Inoue are not solved by Inoue or Dorenbosch, either separately or in combination.

Dorenbosch has been cited by the Examiner for switching an ongoing communication between a wireless connection and a wired connection (see office action page 4, second paragraph). Applicants' claim 1 does not recite switching between wireless and wired connection. Applicants' claim 1 recites that packets are routed to the virtual server portion (on a wired network) instead of the master server portion (wireless device). In Applicants' claims 1, 10, 14 and 28, there is no switching between wired and wireless networks. Server data is always provided from the virtual server portion which is in the wired network regardless of whether a client device requesting the server data is a wired computer terminal of a wireless mobile device.

In Dorenbosch, a mobile device has both wired and wireless interfaces (See FIG. 1). In Dorenbosch, when the mobile device is communicating with a wireless network, the user may connect with a wired network to benefit from a higher-quality connection (see paragraph [0010],

lines 1 – 6). This switching between wired and wireless networks is different than Applicants' claim 1, for example, which recites that server data is provided over a wired network. In Applicants' claim 1, a client device that requests server data requests it from the master portion, but the packets are routed to the virtual portion. This avoids accessing the master portion which is part of a wireless device. There is no switching between wireless and wireless networks.

Unlike Dorenbosch, Applicants claims avoid switching between wired and wireless networks.

In view of the above, Applicants submit that combining Inoue with Dorenbosch does not result in Applicants' claimed invention and that claims 1, 10, 14 and 28 are allowable over the cited references. Claims 2 – 9, 11 – 13, 15 – 27 and 29 – 30 are believed to be allowable at least because of their dependency on independent claims 1, 10, 14 and 28.

Claims 5 and 6, for example, are further believed to distinguish over the cited references by reciting that the support node provides updates to client data in the master server portion using a second network address of the master server portion. The update to the client data is buffered by the virtual server portion until the master server portion is accessible through the support node. Applicants find no such teachings in Inoue because in Inoue, the wireless devices **do not act as servers** and do not need to be updated with client data. Claims 11, 12, 23 and 28 have similar recitations.

Conclusion

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicants' attorney, Greg Gorrie at (480) 659-3314, or Applicants' below-named representative to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

RUI LIN ET AL.

By their Representatives,

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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 25 day of August, 2005.

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